

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A forging work method, comprising steps of:

providing a metallic plate member;

providing a first punch, operable to perform a first forging work to mold a first ~~member~~ opening in the plate member;

providing a second punch, operable to perform a second forging work to mold a second ~~member~~ opening in the plate member;

actuating the first punch up to a maximum stroke position thereof, while molding the first ~~member~~ opening; and

actuating the second punch, while keeping the first punch at the maximum stroke position;

wherein the second punch is kept off the plate member until the molding of the first ~~member~~ opening is finished; and

wherein a shape of the first opening is different from a shape of the second opening.
2. (currently amended): The forging work method as set forth in claim 1, wherein the first ~~member~~ opening has a higher minuteness than the second ~~member~~ opening.

3. (original): The forging work method as set forth in claim 1, wherein the first forging work and the second forging work are performed on a single stage.

4. (original): The forging work method as set forth in claim 1, wherein the second forging work is a perforating work.

5. (currently amended): The forging work method as set forth in claim 1, wherein the second ~~member~~ opening comprises at least a positioning member to be used when the plate member is assembled with another member.

6. (previously presented): A forging work method, comprising steps of:

- providing a metallic plate member;
- providing a first punch, operable to perform a first forging work to mold a first member in the plate member;
- providing a second punch, operable to perform a second forging work to mold a second member in the plate member;
- actuating the first punch up to a maximum stroke position thereof, while molding the first member; and
- actuating the second punch, while keeping the first punch at the maximum stroke position;

wherein the first forging work includes a first work for preforming the first member and a second work for finishing the first member; and

the second forging work is performed after the second work of the first forging work.

7. (currently amended): A forging work method, comprising steps of:
- providing a metallic plate member;
 - providing a first punch, operable to perform a first forging work to mold a first ~~member~~ opening in the plate member, the first ~~member~~ opening has a first function; and
 - providing a second punch, operable to perform a second forging work to mold a second ~~member~~ opening in the plate member, the second ~~member~~ opening including at least one kind of positioning member;
- wherein the first forging work and the second forging work are performed at a single stage;
- wherein a predetermined delay is provided between the end of the first forging work and the beginning of the second forging work; and
- wherein the second punch is kept off the plate member until the first forging work is finished; and
- wherein a shape of the first opening is different from a shape of the second opening.

8. (currently amended): The forging work method as set forth in claim 7, wherein the first ~~member~~ opening is molded before the second ~~member~~ opening is molded.

9. (currently amended): The forging work method as set forth in claim 8, wherein:
the first punch is first actuated up to a maximum stroke position thereof, while
molding the first ~~member~~ opening; and

the second punch is actuated, while keeping the first punch at the maximum
stroke position.

10. (previously presented): A forging work method, comprising steps of:
providing a metallic plate member;
providing a first punch, operable to perform a first forging work to mold a first
member in the plate member, the first member has a first function; and
providing a second punch, operable to perform a second forging work to mold a
second member in the plate member, the second member including at least one kind of
positioning member;

wherein the first forging work and the second forging work are performed at a
single stage;

wherein a predetermined delay is provided between the end of the first forging
work and the beginning of the second forging work;

wherein the first member is molded before the second member is molded;

wherein the first punch is first actuated up to a maximum stroke position thereof,
while molding the first member;

wherein the second punch is actuated, while keeping the first punch at the
maximum stroke position;

wherein the first forging work includes a first work for preforming the first member and a second work for finishing the first member; and

wherein the second forging work is performed after the second work of the first forging work.

11. (currently amended): The forging work method as set forth in claim 7, wherein the first member opening is provided as recesses, and the positioning member is provided as at least two through holes.

12. (original): The forging work method as set forth in claim 11, wherein the recesses are arranged at a fixed pitch.

13. (original): The forging work method as set forth in claim 12, wherein the fixed pitch is 0.3mm or less.

14. (original): The forging work method as set forth in claim 7, wherein the metallic plate member is comprised of nickel.

15. (currently amended): The forging work method as set forth in claim 11, wherein the first member opening and the second member opening are arranged as close as possible.

16. (withdrawn): A method of manufacturing a liquid ejection head in which the plate member subjected to the forging work method as set forth in claim 11 is incorporated, the method comprising steps of:

perforating a through hole at a bottom of each of the recesses;

joining a sealing plate to the plate member so as to seal the recesses to form a plurality of pressure generating chambers, while using the positioning member; and

joining a metallic nozzle plate formed with a plurality of nozzles, such that each of the nozzles is communicated with associated one of the pressure generating chambers via the through hole, while using the positioning member.

17. (currently amended): A forging work method, comprising steps of:

providing a metallic plate member;

providing a first punch, operable to perform a first forging work to mold a first ~~member~~ opening in the plate member;

providing a second punch, operable to perform a second forging work to mold a second opening ~~member~~ in the plate member;

actuating the first punch up to a maximum stroke position thereof, while molding the first opening ~~member~~; and

actuating the second punch, while keeping the first punch at the maximum stroke position;

wherein said first forging work forms a plurality of substantially parallel recesses;

and

wherein a shape of the first opening is different from a shape of the second opening.

18. (currently amended): A forging work method, comprising steps of:

providing a metallic plate member;

providing a first punch, operable to perform a first forging work to mold a first member in the plate ~~opening member~~, the first ~~opening member~~ has a first function; and

providing a second punch, operable to perform a second forging work to mold a second ~~opening member~~ in the plate member, the second ~~opening member~~ including at least one kind of positioning member;

wherein the first forging work and the second forging work are performed at a single stage;

wherein a predetermined delay is provided between the end of the first forging work and the beginning of the second forging work; and

wherein said first forging work forms a plurality of substantially parallel recesses;

and

wherein a shape of the first opening is different from a shape of the second opening.

19. (previously presented): The forging work method as set forth in claim 6, further comprising a predetermined delay between the beginning of the second work of the first forging work and the beginning of the second forging work.

20. (previously presented): The forging work method as set forth in claim 14, further comprising a predetermined delay between actuating the first punch up to a maximum stroke position and actuating the second punch.